

**IN THE CLAIMS:**

1. (currently amended) A compound of the general formula:  $R^1R^2MR^4R^5$  wherein  $R^1$  and  $R^2$  are independently an aryl, alkyl, alkenyl or alkynyl group, wherein at least one of  $R^1$  and  $R^2$  is each fully or partially fluorinated aryl, and at least one of  $R^1$  and  $R^2$  contains one or more fully or partially fluorinated methyl, vinyl or ethyl groups, wherein  $M$  is selected from group 14 of the periodic table is Si, wherein and  $R^4$  and  $R^5$  are independently an alkoxy group,  $OR^3$ , or a each a halogen group, X, except where  $M$  is Si,  $R^4$  and  $R^5$  are both ethoxy groups or both chlorine groups, and  $R^1$  and  $R^2$  are perfluorinated phenyl groups.

2. (original) The compound of claim 1, wherein X is Br or Cl.

3. (original) The compound of claim 1, wherein R1 and/or R2 is fully fluorinated.

4-11. (canceled)

12. (currently amended) The compound of claim 1, wherein R1 is a fully or partially fluorinated phenyl group substituted with

a fully or partially fluorinated methyl, vinyl or ethyl ~~groups~~  
group.

13-14. (canceled)

15. (original) The compound of claim 1, wherein X is Cl.

16. (original) The compound of claim 1, wherein X is Br.

17-50. (canceled)

51. (original) The compound of claim 1, wherein both R1  
and R2 are fully fluorinated.

52. (original) The compound of claim 1, wherein one of R1  
and R2 is fully fluorinated and the other is partially fluorinated.

53-56. (canceled)

57. (withdrawn) A method for making the compound  $R^1R^2MR^4R^5$   
of claim 1, comprising:

providing a compound  $MOR_3qX_{4-q}$  where M is an element selected from group 14 of the periodic table, OR<sub>3</sub> is an alkoxy group, X is a halogen and q is 3 or 4;

reacting the compound  $MOR_3qX_{4-q}$  with either a) Mg and R<sub>1</sub>X<sub>2</sub> where X<sub>2</sub> is Cl, Br or I and R<sub>1</sub> is an alkyl, alkenyl, aryl, epoxy or alkynyl group, and q=4, or b) with R<sub>1</sub>M<sub>1</sub> where R<sub>1</sub> is an alkyl, alkenyl, aryl, epoxy or alkynyl group and M<sub>1</sub> is an element from group 1 of the periodic table, and q=3 or 4;

so as to form R<sub>1</sub>MOR<sub>3</sub>;

reacting R<sub>1</sub>MOR<sub>3</sub> with a) Mg and R<sub>2</sub>X<sub>2</sub> where X<sub>2</sub> is Cl, Br or I and R<sub>1</sub> is an alkyl, alkenyl, aryl, epoxy or alkynyl group, or b) with R<sub>2</sub>M<sub>1</sub> where R<sub>2</sub> is an alkyl, alkenyl, aryl, epoxy or alkynyl group and wherein R<sub>2</sub> is fully or partially fluorinated and M<sub>1</sub> is an element from group 1 of the periodic table, or c) with a halogen or halogen compound followed by reacting with R<sub>2</sub>M<sub>1</sub> where R<sub>2</sub> is an alkyl, alkenyl, aryl, epoxy or alkynyl group, wherein M<sub>1</sub> is an element from group 1 of the periodic table;

so as to form R<sup>1</sup>R<sup>2</sup>MR<sup>4</sup>R<sup>5</sup> wherein R<sub>1</sub> and/or R<sub>2</sub> is fully or partially fluorinated;

and wherein if R<sub>4</sub> and R<sub>5</sub> are a halogen, further reacting R<sup>1</sup>R<sup>2</sup>MR<sup>4</sup>R<sup>5</sup> with a halogen or halogen compound.

58. (withdrawn) A method for using the compound of claim 1, comprising:

providing the compound of claim 1;

hydrolyzing the compound of claim 1 in the presence of H<sub>2</sub>O or D<sub>2</sub>O alone or with another compound;

so as to form a compound with an -M-O-M-O- backbone with at least R<sub>1</sub> and R<sub>2</sub> groups bound thereto and having a molecular weight of from 500 to 10,000.

59. (withdrawn) The method of claim 58, wherein the compound has a molecular weight of from 1500 to 5000.